

CLAIMS

1 1. Automatic paint stirring equipment for stirring paint in cans
2 comprising:

3 a rack adapted to support at least one can, said rack having at least one
4 can receiving station, each of said at least one receiving station having an
5 anti-rotation channel,

6 a drive member at each of said at least one receiving station,

7 a motor mounted to said rack and drivingly connected to each said drive
8 member,

9 a lid detachably secured across an open top of the can,

10 a stirring assembly having a shaft rotatably mounted around a
11 predetermined axis to said lid, said stirring mechanism having a stirrer secured
12 to said shaft and positioned inside the can and a driven member secured to said
13 shaft and drivingly connected to said stirrer, said driven member extending
14 above an upper surface of said lid,

15 an anti-rotation boss secured to and extending upwardly from said
16 upper surface of said lid; and

17 wherein, upon insertion of a can with a secured lid into said at least one
18 receiving station, said drive member drivingly engages said driven member and
19 said anti-rotation boss is positioned in said anti-rotation channel so that
20 co-action between said anti-rotation channel and said anti-rotation boss
21 prevents rotation of said can about said predetermined axis.

1 2. The invention as defined in claim 1 wherein said anti-rotation
2 boss and said lid are of a one-piece construction.

1 3. The invention as defined in claim 1 wherein said anti-rotation
2 boss and said lid are of a one-piece plastic construction.

1 4. The invention as defined in claim 1 wherein said anti-rotation
2 boss is elongated.

1 5. The invention as defined in claim 4 wherein an axis of said
2 anti-rotation boss is parallel to and radially spaced from an axis of rotation of
3 said shaft.